|  | **CO-ORDINATION OF NOTIFIED BODIES**<br>**PPE Regulation 2016/425**<br><br>**RECOMMENDATION FOR USE** | PPE-R/11.126<br>Version 2<br><br>*Update : see in red* |
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| Number of pages: 1 | | |
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| Origin : Vertical Group 11 'Protection against Falls from a Height' | Approval stage :<br><br>☒ Vertical Group<br>☒ Horizontal Committee<br>☐ EU PPE Expert Group | Approved on :<br><br>23/11/2022<br>31/05/2023 |

Question related to  ☐ PPE Regulation  ☒ PPE Guidelines      ☒ EN/prEN: EN 355 :2002      ☐ Other:

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Article:          Annex:                    Clause:

**Key words:**

Energy absorber, clearance below the user, user weight

**Question:**

How to assess clearance below the feet of the user claimed in instructions for use for configurations different from the one described in EN 355:2002 testing (fall factor 2, 100kg)

*Preliminary remark: EN 355 only requires fall factor 2 test with 100kg test mass and requires in instructions for use to indicate clearance below the feet of the user related to this test, while some manufacturer's instructions for use also give clearance for smaller fall factor(s) and/or for user's weight more than 100kg*

**Solution:**

If a manufacturer claims clearance below the feet of the user beyond the scope of EN 355 (fall factor 2, test mass 100kg, ) NB shall assess all claims being made.
This assessment can be carried out by testing different configurations.
Examples of situations beyond EN 355: fall factor smaller than 2, user's weight greater than 100kg, combination of both, … ,

Note 1: for m=100kg and fall factor FF<2 there is no need to carry out additional tests if the manufacturer adjusts the clearance below the feet of the user from the EN 355 requirement, so that clearance = 1,75m + (FFxL) + 1m. for a fall factor 'FF' and for a total length of 'L' is minimum

Note 2: if the instructions for use uses the term of "fall factor" it shall be defined (e.g. by explaining the relation to the placement of the anchor point in relation to the body of the user, i.e. foot, waist or above head level)

Note 3: the Fall Factor (FF) is defined as the ratio of the fall length to the rope length:

Examples:



FF = 0          FF = 0,5          FF = 1,0          FF = 2,0